

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014718 A1

(51) International Patent Classification⁷: **C08L 67/04**,
A61L 17/12, 27/18, 27/58, 27/54, 31/06, 31/14

(21) International Application Number:
PCT/GB2004/003101

(22) International Filing Date: 19 July 2004 (19.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0317192.3 19 July 2003 (19.07.2003) GB

(71) Applicant (for all designated States except US): **SMITH
& NEPHEW PLC** [GB/GB]; 15 Adam Street, London
WC2N 6LA (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ROSE, John**
[GB/GB]; 62 Willow Park Road, Wilberfoss, York
YO41 5PS (GB).

(74) Agent: **CONNORS, Martin**; Research Centre, York Sci-
ence Park, Heslington, York YO10 5DF (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: HIGH STRENGTH BIOREABSORBABLE CO-POLYMERS

(57) Abstract: A polymer composition comprising poly-glycolic acid (PGA) and at least one other monomer to give a composition having a tensile strength of at least 1100MPa.

WO 2005/014718 A1